

### AMENDMENTS TO THE CLAIMS

Claims 1-12 (Cancelled)

13. (Currently amended) ~~The method according to claim 12, wherein the Dunaliella Salina expression vector is constructed by~~ A method for preparing a transgenic Dunaliella Salina bioreactor, the steps:

(a) transforming the cells of Dunaliella Salina to provide transgenic Dunaliella Salina by introducing into the cells of Dunaliella Salina an expression vector comprising a foreign target gene selected from the group consisting of a TNF gene and HBsAg gene; together with a selectable marker selected from the group consisting of aadA gene encoding for spectinomycin or streptomycin resistance, BAR gene encoding for herbicide phosphinothricin (PPT) resistance; and

(b) culturing the transgenic Dunaliella Salina in a liquid medium selected from the group consisting of Mclachlan culture fluid, and a combination culture fluid A comprising 5mM NH<sub>4</sub>Cl and 5mM NaNO<sub>3</sub> and culture fluid B containing 10mM NaNO<sub>3</sub>; and

(c) screening the cells of transgenic Dunaliella Salina for expression of the selectable marker showing transformation and expression of the foreign target gene;

(a)——(d) cloning the Dunaliella Salina chloroplast atpA 5' promoter sequence and rbcL 3' terminator sequence;

(b)——(e) constructing a plasmid pUC19-TNF containing a cDNA of TNF;

(e)——(f) digesting the plasmid pUC19-TNF with a restriction endonuclease to provide an intermediate vector pSK-atpK-TNF for an expression cassette of the TNF cDNA;

(d)——(g) Constructing a vector p64C containing a cloned homologous fragment of the Dunaliella Salina chloroplast gene, clpP-trnI-petB, together with a chlL gene encoding the 5' promoter and the 3' terminator of the chlL gene;

(e)——(h) Inserting the expression cassette of TNF cDNA into the p64C vector to provide an intermediate chloroplast expression vector, p64C-atpX-TNF;

Appl. No. : 09/997,445  
Filed : November 29, 2001

~~(f)~~—~~(i)~~\_\_\_\_ Locating the expression cassette of TNF cDNA downstream of the chlL 5' promoter;

~~(g)~~—~~(j)~~\_\_\_\_ Constructing an expression cassette of aadA gene encoding for spectinomycin resistance; and

~~(h)~~—~~(k)~~\_\_\_\_ Constructing a chloroplast expression vector comprising the expression cassette of TNF cDNA and the expression cassette of aadA gene.

14. (Cancelled)

**Appl. No.** : **09/997,445**  
**Filed** : **November 29, 2001**

## **SUMMARY OF INTERVIEW**

### Results of Interview

Applicants' current representatives were not representatives at the time of the interview and cannot make statements regarding the interview. Nevertheless, the Applicants do not object to the interview summary from the PTO on record.